

Title (en)

KNUCKLE HUB FIXTURE ASSEMBLY AND METHOD

Title (de)

ACHSSCHENKEL-NABENEINHEIT ZUSAMMENBAU UND METHODE

Title (fr)

ENSEMBLE FIXATION JOINT/MOYEU ET SON PROCEDE D'UTILISATION

Publication

EP 1210195 A4 20030219 (EN)

Application

EP 99960459 A 19991118

Priority

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- US 13653599 P 19990528
- US 41411499 A 19991008

Abstract (en)

[origin: WO0073003A1] A part clamping fixture (70) is preferably incorporated into a lathe machine and is used to locate and hold a knuckle/hub assembly (10) for refinishing the flange surfaces (62, 64) of the knuckle/hub assembly (10).

IPC 1-7

B23B 1/00; B23B 5/04; F16D 65/12; B24B 1/00; B60B 27/00

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

- [X] WO 9838436 A1 19980903 - VARGA BRAKES INC [US], et al
- [A] US 5430926 A 19950711 - HARTFORD DEAN J [US]
- [A] US 5653153 A 19970805 - GREENWALD CHRISTOPHER L [US]
- [A] US 5842388 A 19981201 - VISSER MONTE J [US], et al
- [PA] EP 0928905 A2 19990714 - FORD GLOBAL TECH INC [US]
- See references of WO 0073003A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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KR 100654670 B1 20061207; KR 20020013491 A 20020220; MX PA01012197 A 20020621; NO 20014680 D0 20010926;
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GB 0116430 A 19991118; KR 20017009182 A 20010720; MX PA01012197 A 19991118; NO 20014680 A 20010926; PL 35028299 A 19991118;
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